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... MAY 16 2023

FORM 2: Application for irrigation in South Dakota
(type or print)

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OFFICE OF
WATER

PAID

MAY 16 2023

Ck#

Rec#

Mail to:

SD DANR, Water Rights
523 E Capitol Ave
Pierre, SD 57501-3182

ph. (605) 773-3352

No. 8764-3 Hydrologic Unit 10170203Basin Lower Big SiouxNewspaper Flandreau-Moody City Enterprise (Wed) 997-3725
Madison-Daily Leader 256-4555
(office use only)

Application for Permit to Appropriate Water for Irrigation

Type of Application:



New



Vested Right



Amendment/Correction to Permit No. _____

(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Irrigation Permit Jonathon Geraets

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 47138 2475th DETH Rapids SD 57022
(Address) (City) (State) (Zip Code)Phone 605 428 3346 Mobile 605 929-7424 Email j-geraets69@hotmail.com2. Amount of water claimed 1.78 *CFS or 800 **GPM ***AF Total Acreage 140
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)3. Source of water supply Well / ground water4. Location of point of diversion 1 well in NE 1/4 section 26-106-49
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)County Moody5. County or counties where water will be used Moody6. Annual period during which water is to be used June July August September 307. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NE 1/4 section 26-106-49</u>	<u>140</u>		

8. Give a description of the project. (Attach sheet if more space is needed)

I, Jonathon Geraets

Name of Person

Owner

Title (if applicable)

, the applicant, certify under

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

22 m E of Madison

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☐ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many _____ Have test holes been drilled? ☐ Yes ☐ No Drilled by _____
 (if yes, please provide copies of logs)
- b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either existing or proposed wells:

- c) Well Depth (required) 149 Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____
- d) Distance to nearest domestic well on applicant's property -0- Property owned by others 340
David Shepard

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

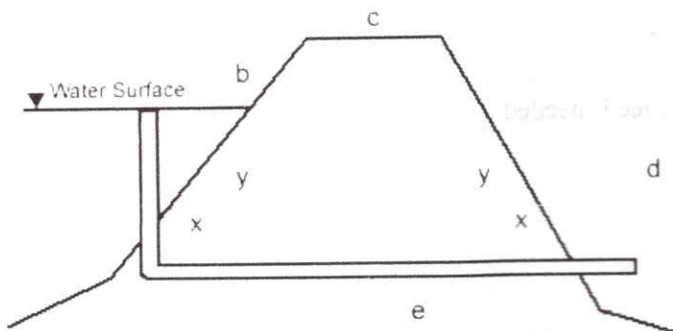
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

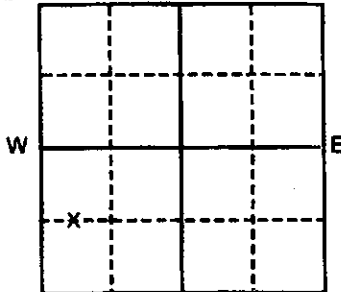
- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard _____
- c) Crest Width _____
 Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
 If pipe, diameter _____
- f) Secondary Spillway Capacity _____
 Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
 Upstream _____
 Downstream _____
- h) Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

11-02

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location 1/4 NE 1/4 Sec 26 Twp 106N Rg 26WCounty MOODYNorth per John Kaiser
Am 2/23/18Please mark well
location with an "X"

Well Completion Date

11-15-17

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
340 ft. from WELL (identify source)

PROPOSED USE:

☒ Domestic/Stock
☐ Irrigation ☐ Municipal
☐ Industrial ☐ Business
☐ Institutional ☐ Test holes
☐ Monitoring well

METHOD OF DRILLING:

DIRECT ROTARY

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
Sch40 LB/FT	10 IN	0 FT	129 FT	8.75 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
GRTWELDF	46	54 Lb/gal	0 Ft	125 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

TREMIE LINE PRESSURE PULL METHOD

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 10 Inches Length 20 FeetMaterial STAINLESS STEELSlot Size .030 Set From 129 Feet to 149 Feet

Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?☒ No, Why Not?Lab to which water
quality sample sent for analysis

NO PUMP

Well Owner: GLOBAL DAIRYBusiness Name: TRENT DAIRYAddress: 46844 SD HWY 28City, State, Zip: ESTELLINE ☒ SD ☒ 57034

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	2
YELLOW CLAY	2	18
YELLOW MIXED GRAVEL	18	23
BLUE CLAY	23	75
GREY SAND MIXED FINE-MED	75	90
BLUE CLAY	90	129
YELLOW MED-COURSE	129	149

STATIC WATER LEVEL 32 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe: SUB PUMP☐ Bailed☐ Other

Pumping Level Below Land Surface

60 Ft. After 8 Hrs. pumped 600 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: NO PUMP GPM

REMARKS

40' FROM TEST HOLE

LEGAL DESC: LOT 1 BRANDORFF ADDITION

Howard A. N.This well was drilled under license # 689 and this report is true and accurate.Drilling firm: KAISER WELL DRILLING INC

Signature of License Representative:

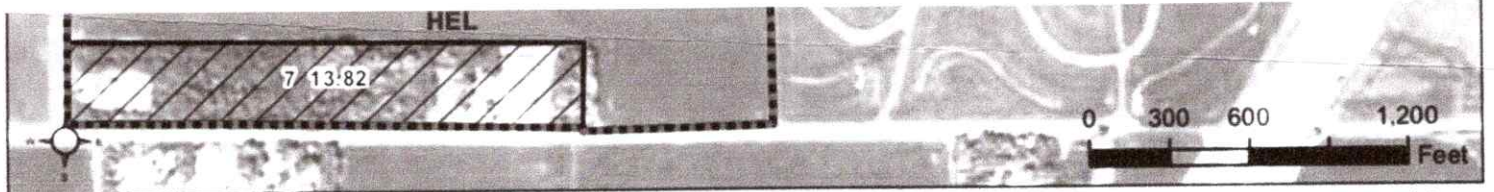
Signature of Well Owner or Equitable Property Holder:

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FEB 01 2018

WATER RIGHTS
PROGRAM

Date: _____



Common Land Unit Tract Boundary
 Non-Cropland
 Cropland
 PLSS

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Unless otherwise noted
 crops listed below are
 Non-irrigated
 Intended for Grain
 Corn = Yellow
 Soybeans = Common
 Wheat = HRS or HRW
 Sunflowers = Oil or Non

Producer initial _____
 Date _____

2023 Program Year

Map Created April 17, 2023

Farm 12293

~~36-105N-50W-Moody~~

This map was prepared by the USDA Natural Resources Conservation Service (NRCS) for the purpose of determining wetland areas for the National Wetlands Inventory (NWI). The map is not to be used for any other purpose without the written consent of the NRCS. The map is not a warranty, guarantee, or endorsement of the accuracy or completeness of the information provided. The map is for informational purposes only. The map is not to be used for any other purpose without the written consent of the NRCS. The map is not a warranty, guarantee, or endorsement of the accuracy or completeness of the information provided. The map is for informational purposes only.



United States
 Department of
 Agriculture

Minnehaha County, South Dakota

